

Serial No: 09/639,678  
Attorney Docket No: 120-326  
Nortel Ref: 13200CKUS02U

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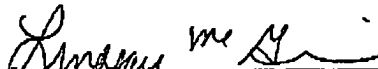
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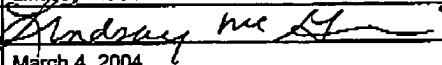
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PTO/SB/21 (05-03)

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/639678
	Filing Date	Aug 11, 2000
	First Named Inventor	
	Art Unit	2815
	Examiner Name	Nguyen
Total Number of Pages in This Submission	Attorney Docket Number	120-326

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Firm or Individual name	Staubing McGuinness & Manaras LLP	
	Lindsay McGuinness	
Signature		
Date	March 4, 2004	

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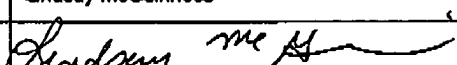
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	Art Unit	2815
	Examiner Name	Nguyen
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Signature	Lindsay McGuinness
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Vakhshoori

Application No.: 09/639,678

Filed: 08/11/2000

Title:

Attorney Docket No.: CORE-57 120-326

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Group Art Unit: 2815

Examiner: Nguyen

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RESPONSE UNDER 37 CFR 1.116(a)

Dear Sir:

In response to the Final Office Action of December 4, 2003, entry of the below response is respectfully requested.

REMARKS

Reconsideration and further examination is respectfully requested.

Claims 1-2 were rejected under 35 U.S.C. §102(e) as being anticipated by Kullander-Sjoberg et al. Claims 3-4 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kullander-Sjoberg et al in vie of Yuen et al.

Rejections under 35 U.S.C. §102 and 35 U.S.C. §103

Claims 1 and 2 were rejected under 35 U.S.C. §102 as being unpatentable over Kullander-Sjoberg et al. Claims 3 and 4 were rejected under 35 U.S.C. §103 as being unpatentable over Kullander-Sjoberg in view of Yuen.

Kullander-Sjoberg describes a pump VCSEL that 'is activated by applying a DC bias between its bottom contact 5 and the bottom mirror 8 of the main VCSEL 9 operating at 1300